

FIG. 1

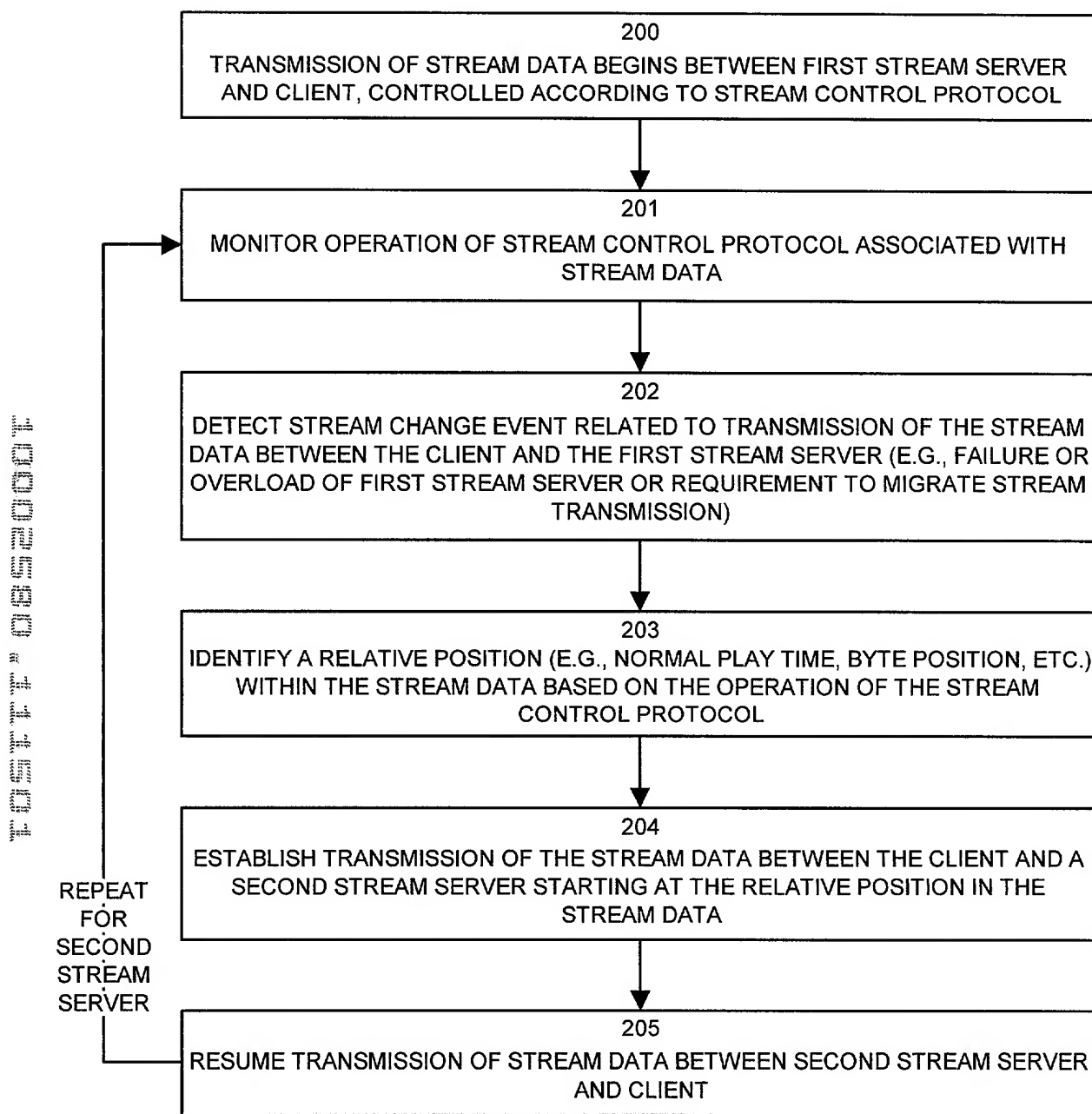


FIG. 2

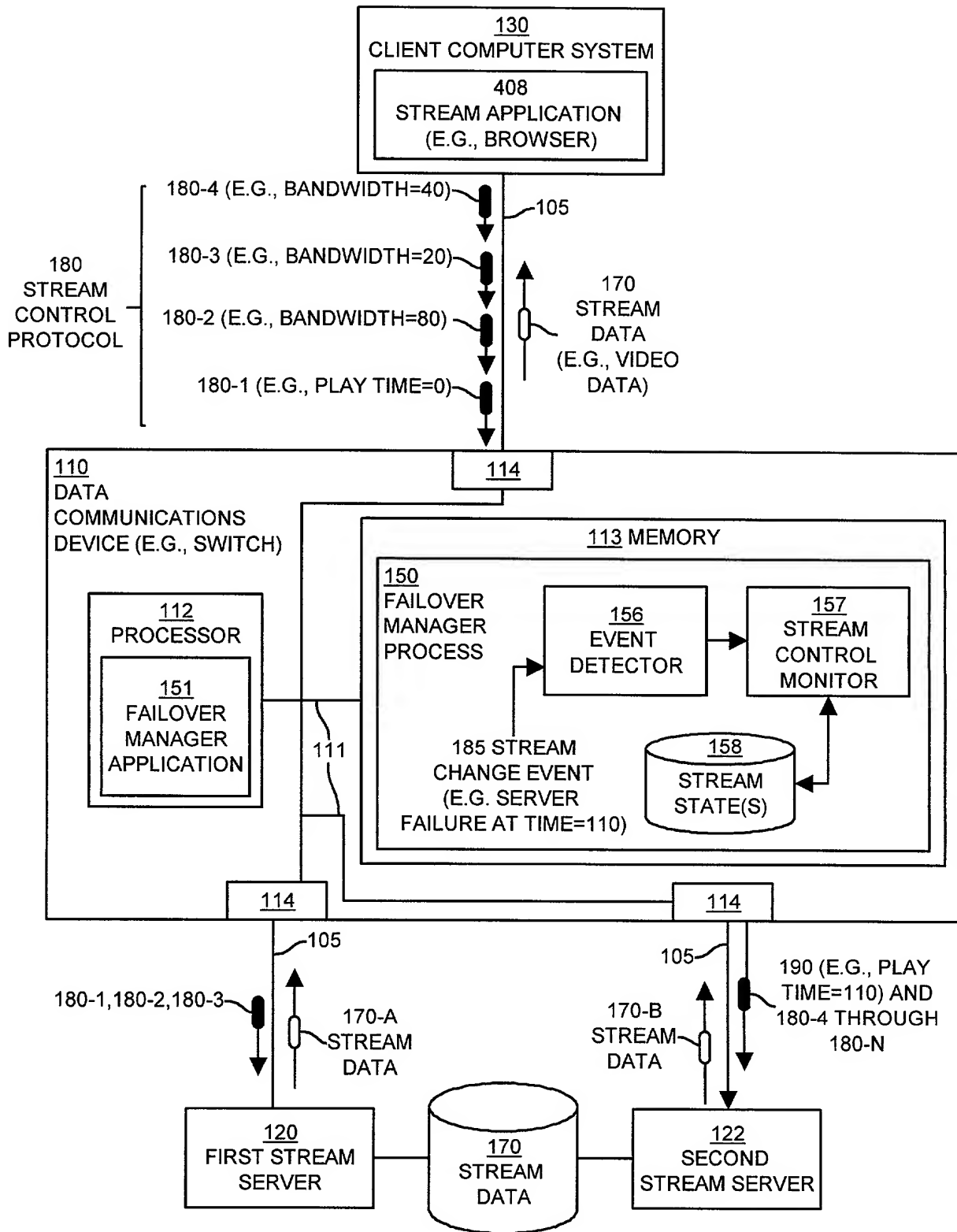


FIG. 3

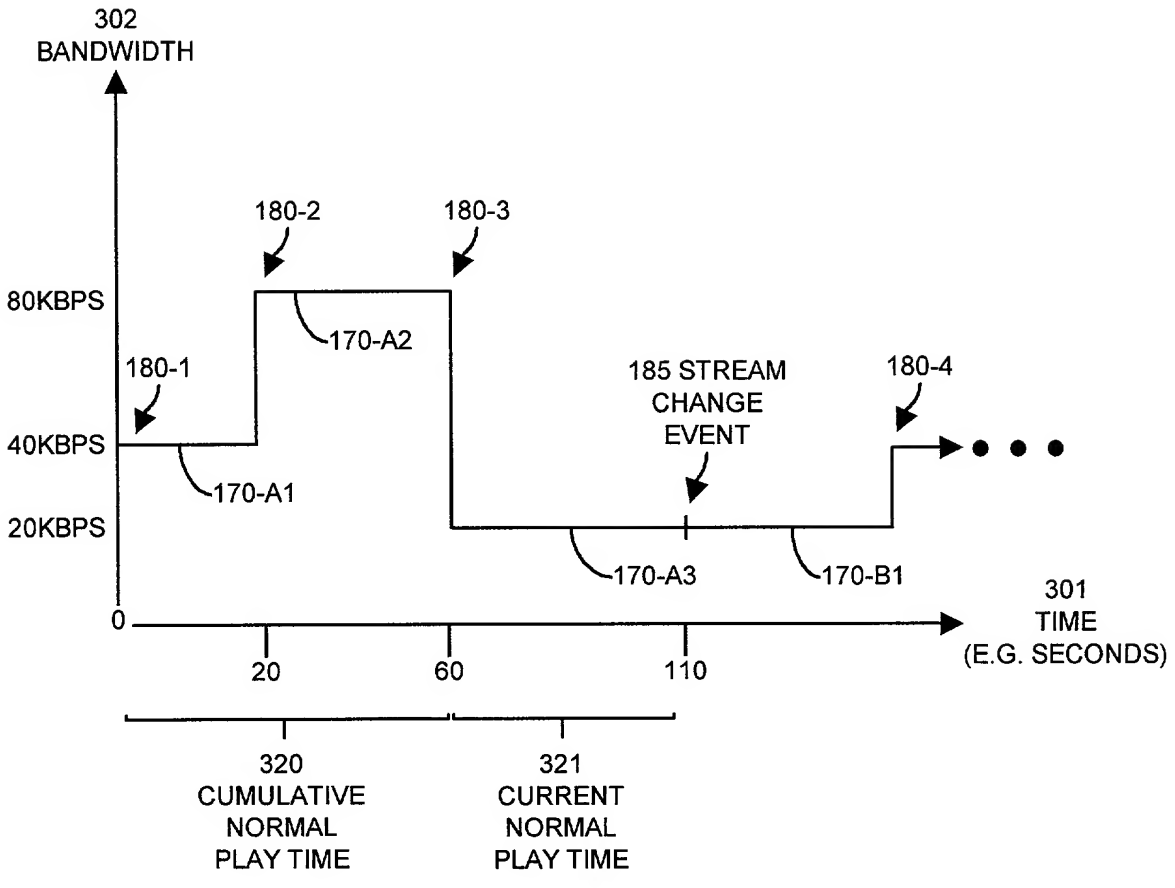


FIG. 4

401
MONITOR OPERATION OF THE STREAM CONTROL PROTOCOL ASSOCIATED WITH THE
STREAM DATA TRANSMITTED BETWEEN THE CLIENT AND THE FIRST STREAM SERVER

402
INTERCEPT A STREAM ADJUSTMENT MESSAGE (I.E., CURRENT) OF THE STREAM
CONTROL PROTOCOL (E.G., REAL TIME DATA TRANSFER PROTOCOL), THE
STREAM ADJUSTMENT MESSAGE INDICATING AN ADJUSTMENT (E.G., PLAY AT
OFFSET, BANDWIDTH CHANGE, ETC.) TO A TRANSMISSION CHARACTERISTIC OF
THE STREAM DATA (E.G., REAL TIME DATA)

403
UPDATE A STREAM STATE ASSOCIATED WITH THE STREAM DATA BASED ON THE
STREAM ADJUSTMENT MESSAGE

404
CALCULATE A CURRENT AMOUNT OF STREAM DATA TRANSMITTED BETWEEN
THE CLIENT AND THE FIRST STREAM SERVER FROM A TIME BETWEEN
RECEIPT OF A FORMER STREAM ADJUSTMENT MESSAGE AND RECEIPT OF
THE CURRENT STREAM ADJUSTMENT MESSAGE (WHILE ACCOUNTING FOR
OVERHEAD CONDITIONS IN THE STREAM DATA)

405
CALCULATE A CURRENT NORMAL PLAY TIME ASSOCIATED WITH THE STREAM
DATA BASED ON THE CURRENT AMOUNT OF STREAM DATA AND A VALUE OF
A BANDWIDTH ADJUSTMENT OF THE FORMER STREAM ADJUSTMENT
MESSAGE

406
ADD THE CURRENT NORMAL PLAY TIME TO A CUMULATIVE NORMAL
PLAYTIME MAINTAINED WITHIN THE STREAM STATE ASSOCIATED WITH THE
STREAM DATA

407
STORE CUMULATIVE NORMAL PLAY TIME IN THE STREAM STATE ASSOCIATED
WITH THE STREAM DATA

FIG. 5

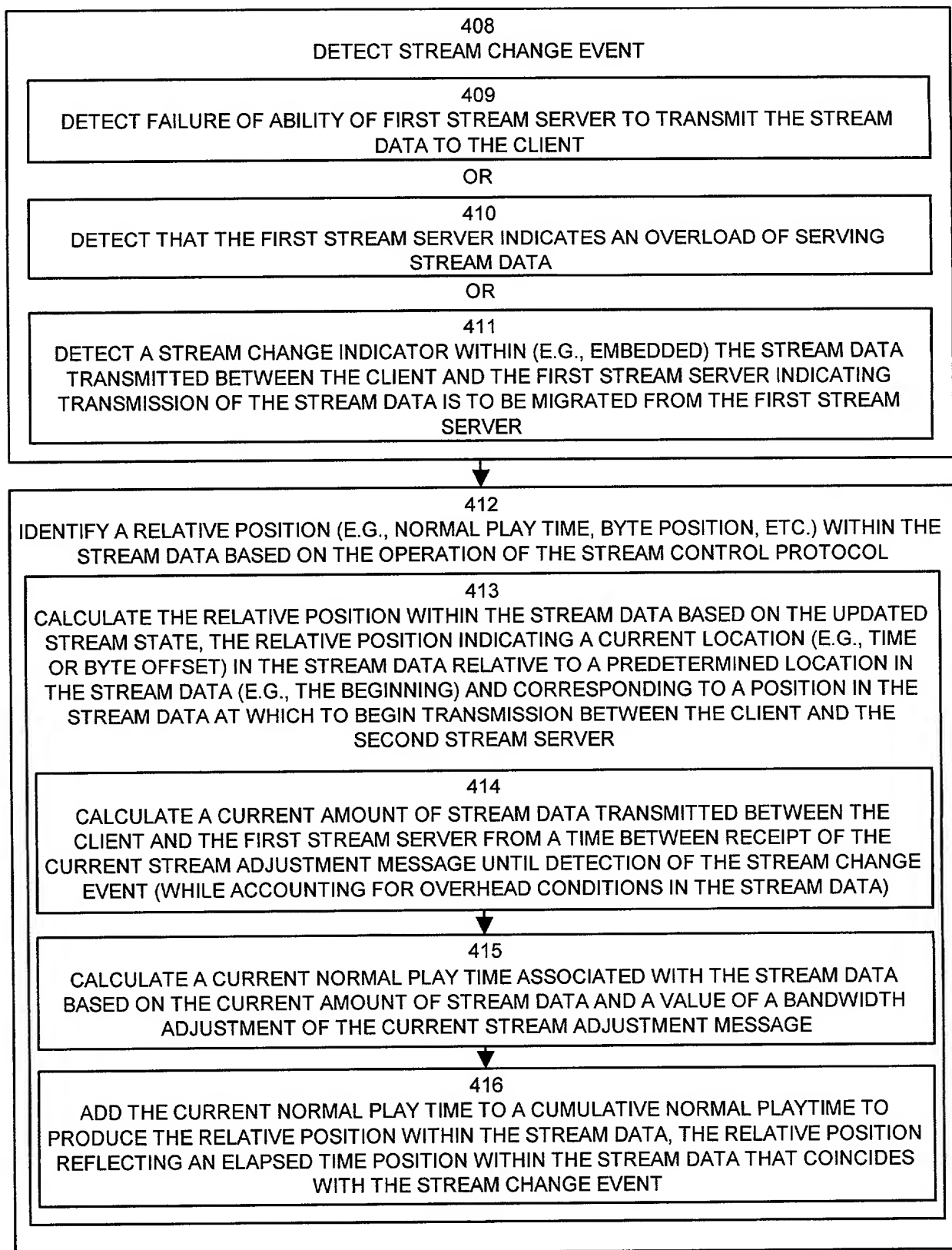


FIG. 6

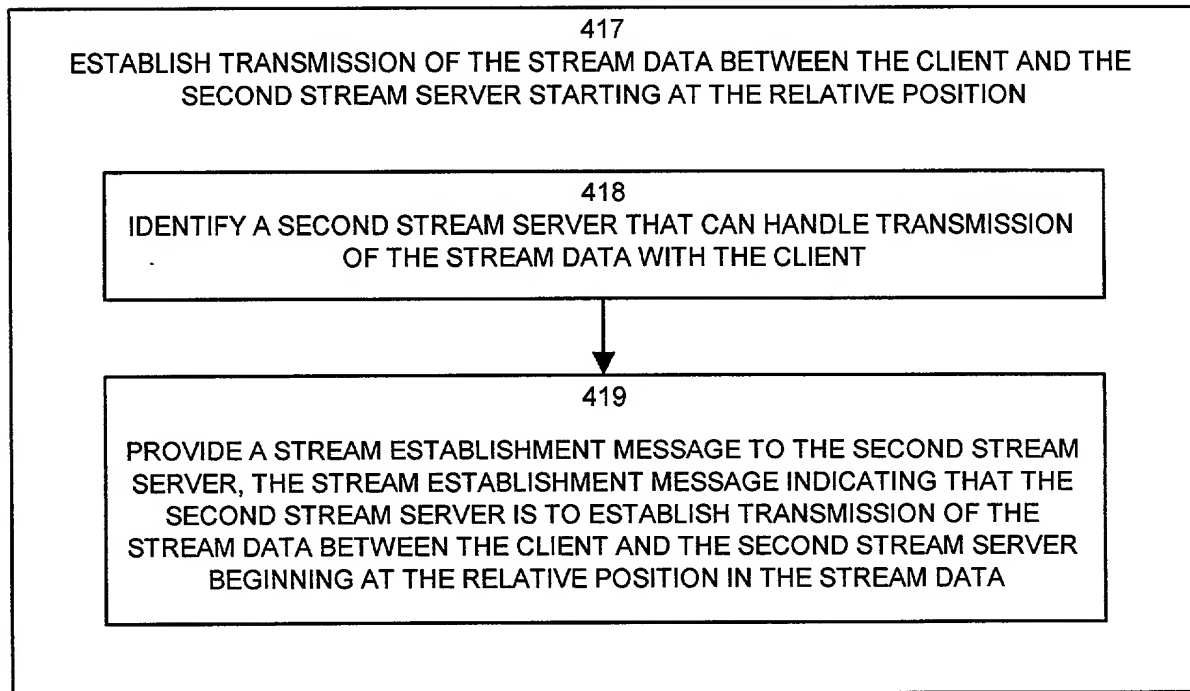


FIG. 7